



PRODUCT-DETAILS

XT1C 160 TMD 32-450 3p F F

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General Information

Extended Product Type	XT1C 160 TMD 32-450 3p F F
Product ID	1SDA067392R1
EAN	8015644695187
Catalog Description	XT1C 160 TMD 32-450 3p F F
Long Description	C.BREAKER TMAX XT1C 160 FIXED THREE-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE TMD R 32-450 A

ABB EcoSolutions

ABB EcoSolutions	Yes
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Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 55.9 %
End of Life Instructions	9AKK108468A2347
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available

Eco Transparency

Environmental Product Declaration - EPD	9AKK108468A1890 9AKK108468A7793
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Environmental

Environmental Information	9AKK108467A6707
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Material Compliance

REACH Declaration	9AKK108466A1425
RoHS Information	9AKK108466A1424
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
Toxic Substances Control Act - TSCA	9AKK108467A8326
SCIP	4e599235-d926-4615-a71c-1de7040d6726 Italy (IT)
Simplified SCIP	77fcc699-7c06-40f6-9ee3-735c153c6dcd Germany (DE) 3fa2a954-0ff2-424c-8c38-69cfc7e71 Poland (PL) 016eb8d1-70d2-428e-8610-6b17e417e722 Bulgaria (BG) 0515a311-cda7-4cb2-a92b-07e795ccb927 Sweden (SE) c41feba3-dcbe-4ff6-aa7d-3c65f17f6527 Spain (ES) e4a49827-b15d-4bf7-b12a-d07f41d3c670 Belgium (BE) 375df1ca-6156-42c0-8276-cf8d061e29e5 Germany (DE) 7de2ae1c-0dc5-4e4d-afbf-4dc18e4510dd Poland (PL) 8af8e392-4e25-48bf-a038-1c261e0fdbfe Norway (NO) 02595f39-f557-4a1a-869d-d447af948a58 Finland (FI) 7eade347-a4c7-4ae5-8109-1427d50ed287 Belgium (BE) 2fe2bc3e-fc12-446b-b7fe-318b44a1054a Denmark (DK) 87a04bcd-f6f5-4ded-86b8-93f3056d19e6 Greece (GR) 29ad1ea9-b920-490a-b737-100152dc7a18 Estonia (EE) 71d6aef1-f628-456a-a211-3e53829c15c8 Portugal (PT) 738ae6df-0753-4c0c-b1ed-075d6de5b990 Germany (DE) 8a780108-c8dd-441d-ae51-4bef2592234b Croatia (HR) 90390158-17bd-4b8b-b09e-df85907f43c6 Czech Republic (CZ) 2ae1704b-4034-423f-af47-5dc82d06826d Germany (DE) cb447a4b-0808-4c35-96bd-9c0adb63c697 Hungary (HU) fe90101c-9836-42b3-97a7-974d84e65396 Germany (DE) 611f72f5-49de-432e-ad9c-2760a05032de France (FR) 8d2b95c3-158d-4a08-a7f9-296f71ae1a45 Sweden (SE) 8087afeb-1934-4ed7-be66-48018a2e3f11 Netherlands (NL) 56c61503-9112-4d77-9173-d119116e6188 Poland (PL) 8ee92488-322f-4cc1-b31b-c49e4cd8e124 Hungary (HU)

Ordering

Order Code US and Canada	XT1CE3032AFF000XXX
E-Number (Finland)	3638774
EAN	8015644695187
Minimum Order Quantity	1 piece
Customs Tariff Number	85362090

Dimensions

Product Net Width	76.2 mm
Product Net Height	130 mm
Product Net Depth / Length	70 mm
Product Net Weight	1.1 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	128 mm
Package Level 1 Height	135 mm
Package Level 1 Depth / Length	143 mm
Package Level 1 Gross Weight	1.12 kg
Package Level 1 EAN	8015644695187

Additional Information

Circuit Breaker Type to be Associated	Power Distribution
Product Main Type	SACE Tmax XT
Product Name	Moulded Case Circuit Breaker
Product Type	Automatic Circuit Breaker
Version	F
CAD Dimensional Drawing	1SDH001295R0008

Technical

Connecting Capacity Main Circuit	Busbar 45.5 ... 80 mm ²
Current Type	AC/DC
Electrical Durability	120 cycles per hour 8000 cycle
Mechanical Durability	240 cycles per hour 25000 cycle
Number of Poles	3
Opening Time	CB with SOR 15 ms CB with UVR 15 ms
Order Multiple	1 piece
Power Loss	at Rated Operating Conditions per Pole 2.1 W
Rated Current (I _n)	32 A
Rated Frequency (f)	50 / 60 Hz
Rated Impulse Withstand Voltage (U _{imp})	8 kV
Rated Instantaneous Short-Circuit Current Setting (I _s)	450 A
Rated Insulation Voltage (U _i)	800 V
Rated Operational Voltage	690 V AC 500 V DC
Rated Service Short-Circuit Breaking Capacity (I _{cs})	(220 V AC) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA (440 V AC) 12.5 kA (500 V AC) 9 kA (525 V AC) 8 kA (690 V AC) 4 kA (250 V DC) 2 Poles in Series 25 kA (500 V DC) 3 Poles in Series 25 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(220 V AC) 40 kA (230 V AC) 40 kA (240 V AC) 40 kA (380 V AC) 25 kA (415 V AC) 25 kA

(440 V AC) 25 kA
 (500 V AC) 18 kA
 (525 V AC) 8 kA
 (690 V AC) 4 kA
 (250 V DC) 2 Poles in Series 25 kA
 (500 V DC) 3 Poles in Series 25 kA

Rated Uninterrupted Current (I_u)	160 A
Rated Voltage (U_r)	690 V
Recommended Screw Driver	Main Circuit M6
Release	TMD
Release Type	TM
Setting Range	22.4...32 A
Short-Circuit Performance Level	C
Standards	IEC60947-2
Sub-type	XT1
Terminal Connection Type	Front
Terminal Type	Bolt
Tightening Torque	6 N·m

Certificates and Declarations

ATEX Certificate	No certification needed
Data Sheet, Technical Information	1SDC210100D0206 1SDC210099D0206
Declaration of Conformity - CE	9AKK106713A5532
GL Certificate	1SDL000163R0103
LR Certificate	1SDL000163R0100
UL Certificate	No certification needed
VDE Certificate	No certification needed
Dimension Diagram	1SDH000719R0100
Mechanical Drawings	1SDH000719R0100
Wiring Diagram	1SDM000068R0001
Instructions and Manuals	1SDH000719R0001

Classifications

ETIM 8	EC000228 - Power circuit-breaker for trafo/generator/installation protection
ETIM 9	EC000228 - Power circuit-breaker for trafo/generator/installation protection
Object Classification Code	Q
UNSPSC	39120000
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
eClass	V11.1 : 27370409

Categories

Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

